



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 17] मई दिल्ली, शनिवार, अप्रैल 26, 1980 (बैसाख 6, 1902)

No. 17] NEW DELHI, SATURDAY, APRIL 26, 1980 (VAISAKHA 6, 1902)

इस भाग में चित्त पृष्ठ संख्या दी जाती है जिससे कि यह असण संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 26th April 1980

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 145 of the Act.

20th March, 1980

319/Cal/80. UCB, S. A., Process for the manufacture of methylamines. (March 23, 1979).

320/Cal/80. Kobe Steel, Ltd. and Chiyoda Chemical Engineering & Constructions Co. Ltd., Method for welding a Heatproof Pipe.

321/Cal/80. Mitsubishi Rayon Co., LTD., A Polypropylene Film for Electrical Appliances and a method of Producing the Same.

322/Cal/80. Cummins Engine Company, INC. Composite Engine Block Having high strength to weight Ratio.

323/Cal/80. Russel Matthews Industries Limited. Improvements in or Relating to the Packaging or containing of Bituminous Products. (March 23, 1979).

324/Cal/80. U-Tile Pty. LTD., Novel Slab Manufacture and Applications thereof.

325/Cal/80. T. Stahler. Device for Aerating Sewage or Sewage-Sludges.

326/Cal/80. Takata Kojyo Co., LTD. Double-safety Emergency Locking Belt Retractor.

327/Cal/80. Toyo Engineering Corporation. Chemical Process and Apparatus Therefor.

21st March, 1980

328/Cal/80. The B. F. Goodrich Company. Improved Process for Removal and Recovery of Vinyl Chloride Monomer from vent Gas Stream in Polyvinyl Chloride Plant.

329/Cal/80. Davy McKee (Oil & Chemicals) Limited [formerly Davy International (Oil & Chemicals) Limited]. Process. (March 21, 1979).

330/Cal/80. Davy McKee (Oil & Chemicals) Limited [formerly Davy International (Oil & Chemicals) Limited]. Process. (March 21, 1979.)

331/Cal/80. Davy McKee (Oil & Chemicals) Limited [formerly Davy International (Oil & Chemicals) Limited]. Process. (March 21, 1979.)

332/Cal/80. Combustion Engineering, Inc. Perforated Plate Design For a Fluidized Bed Gas Distributor.

22nd March, 1980

333/Cal/80. Aktiebolaget Iro. Weaving Loom.

334/Cal/80. Aktiebolaget Iro. Weaving Loom.

335/Cal/80. Lucas Industries Limited, Lens Element. (March 23, 1979.)

336/Cal/80. F. F. Seeley Nominees Pty. LTD. Improvements in and Relating to Water Distribution Means for an Evaporative Air Cooler. (March 26, 1979.)

337/Cal/80. Westinghouse Electric Corporation. Thermal Overload Relay.

338/Cal/80. Combustion Engineering Inc. Fluidized Bed Boiler Feed System.

24th March, 1980

339/Cal/80. Salmon Mechel Private Limited. Improvements in or Relating to Hydraulic Clamps.

340/Cal/80. Stamicarbon B. V. Process for the Separation of Ammonia and carbon Dioxide From Mixtures Containing Ammonia, Carbon Dioxide and Water.

341/Cal/80. Shell Internationale Research Maatschappij B. V. Process for the preparation of hydrocarbons.

342/Cal/80. B. V. Machinefabriek M. Brouwer & Co. Apparatus for the Removal of a material Wound Around a Core.

343/Cal/80. Siemens Aktiengesellschaft. Winding For an Electrical machine.

25th March, 1980

344/Cal/80. Monsanto Company. Encapsulation By Interfacial Polycondensation.

345/Cal/80. A. H. Robins Company, INC. 4-Amino-3-Quinoliniccarboxylic Acids and Esters-Antisecretory Anti-Ulcer Compounds.

346/Cal/80. Texaco Development Corporation. Process for the Generation of Power from Solid Carbonaceous Fuels.

347/Cal/80. Sibirsky Metallurgichesky Institut Ilmeni Sergo Ordzhonikidze. Method of Steel Making.

26th March, 1980

348/Cal/80. Lucas Industries Limited. Electromagnetic devices. (April 11, 1979).

349/Cal/80. Sandvik Aktiebolag. Bearing means in rotary drill bits.

350/Cal/80. J. Krings. Excavation or trenching plate.

#### APPLICATIONS FOR PATENTS AT THE (DELHI BRANCH)

18th February, 1980

111/DEL/1980. Indian Drugs & Pharmaceuticals Ltd., "Synthesis of new Tricyclic Triazoles of Pharmaceutical Interest."

19th February, 1980

112/DEL/80. Diamond Engineering Corporation, "A Stand."

113/DEL/80. Diamond Engineering Corporation, "A Support Means."

114/DEL/80. Imperial Chemical Industries Limited, "Carboxylic Acid Derivatives."

115/DEL/80. Smith Kline & French Laboratories Limited, "Process for Preparing Histamine Antagonists." (February 21, 1979).

116/DEL/80. Biogen N.V., "Recombinant Dna Molecules and their use in Producing Human Interferon—Like Polypeptides."

117/DEL/80. Pritpal Singh Sawhney, "Mini Tiles."

118/DEL/80. Pritpal Singh Sawhney, "Decorative Panels."

20th February, 1980

119/DEL/80. Director General, Ministry of Railways, "A Flagstick."

120/DEL/80. Director General, Ministry of Railways, "A Tail-Board."

121/DEL/80. Shri Gaur Dham Trust (Regd.), "A Power Loom."

122/DEL/80. Union Carbide Corporation, "Nonaqueous Cell."

123/DEL/80. Union Carbide Corporation, "Nonaqueous Cell."

124/DEL/80. UOP INC., "Improvements in the Hydrometallurgical Recovery of Metal Values."

125/DEL/80. OTIS ELEVATOR COMPANY, "Method and Apparatus for Testing Metal Tapes."

21st February, 1980

126/DEL/80. Polythetics INC., "Prosthetic Denture Prepared from Polyurethane Elastomer."

22nd February, 1980

127/DEL/80. Shri Anil Chandra Raha, "A Clarifier."

128/DEL/80. Shri Anil Chandra Raha, "A Clarifier."

129/DEL/80. Process Evaluation and Development Corporation, "Bagasse Preparation."

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

18th March, 1980

50/MAS/80. V. Kesava Raju and P. Jayarama Reddy. Solid state pulse interferometer.

51/MAS/80. J. Thaikattil. Improvements in or relating to dry cells.

52/MAS/80. J. Thaikattil. Table lamp.

53/MAS/80. Ashok Leyland Limited. An integral bus consisting of a flexible chassis on an underframe structure of three modules.

19th March, 1980

54/MAS/80. N. N. Kamaraj. Soundless rail.

55/MAS/80. A. N. Ramachandar and K. S. Venkataraman. A blow control device for LPG valve.

56/MAS/80. A. R. Fernandez. Manufacturing 3 piece hollow R.C.C. post using low revolution for consolidation.

22nd March, 1980

57/MAS/80. Lucas Industries Limited. Improvements in self-energising disc brakes. (March 27, 1979).

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 103 &amp; 144B.

147580.

Int. Cl.-C23f 15/00, C09d 5/10, 5/12.

**PROCESS FOR THE PREPARATION OF NOVEL ZINC/SODIUM SILICATE PRIMER FOR PROTECTION OF STEEL STRUCTURES.**

*Applicant :* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, 110001, INDIA.

*Inventors :* KUMMATTITHIDAL SANTHANAM RAJAGOPALAN, SUBBIAH NADAR GURUVIAH AND MEYYAPPA SUNDARAM.

Application No. 85/De/78 filed January 31, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims. No drawings.

Process for the preparation of a novel primer for steel structures comprising reacting zinc dust in an aqueous sodium silicate solution, with red lead and potassium silico-fluoride and stirring the reaction product with water to obtain a brushable consistency.

Comp. Specn. 4 Pages.

Drgs. Nil.

147581.

CLASS 40F.

Int. Cl.-B01d 15/08.

**A PROCESS FOR PACKING ADOORBENT IN A SEPARATION COLUMN. A SEPARATION COLUMN SO PACKED AND AN APPARATUS FOR SEPARATION OF A FLUID MIXTURE.**

*Applicant :* A. F. STALEY MANUFACTURING COMPANY, OF 2200 ELDORADO STREET, DECATUR, ILLINOIS, 62525, UNITED STATES OF AMERICA.

*Inventors :* ROGER SAMUEL LEISER AND GJM CHAIN LIAW.

Application No. 83/Cal/78 filed January 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A process for densely packing adsorbent as hereinbefore described in a separation column having a chamber which comprises intermixing the adsorbent with an excess of a concentrated reagent such as herein described which causes the adsorbent to contract in its presence, the adsorbent being capable of swelling when the excess concentrated reagent is removed, and removing the excess of the concentrated reagent from the adsorbent in its reduced volume condition confined in the chamber of the separation column whereby the adsorbent is caused to swell to completely and uniformly pack the adsorbent throughout the separation column chamber.

Comp. Specn. 29 Pages.

Drg. 1 Sheet.

CLASS 10F.

147582.

Int. Cl.-F42b 17/00, 31/00.

**SPIN STABILIZED PROJECTILES WHICH ARE FIRED FROM GUNS.**

*Applicant :* SPACE RESEARCH CORPORATION (QUEBEC) INCORPORATED, OF 2055 PEELSTREET, SUITE 650, MONTREAL 110, CANADA.

*Inventors :* DENNIS HYATT JENKINS AND LUIS PALACIO.

Application No. 2807/Cal/73 filed December 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A gun fired spin stabilized projectile having a longitudinally extending body, a driving band mounted on a rear portion of the body and being engageable with rifling in a gun barrel during firing to cause spin to be imparted to the projectile

said body tapering smoothly from a maximum diameter forwardly of the driving band to the forward end of the body, said tapering portion carrying ahead of the center of gravity of the projectile, a series of circumferentially spaced apart, permanently fixed, radially extending projections, each projection having an outer surface substantially parallel to the longitudinal axes of the body and engageable with the wall of the gun barrel to center the forward portion of the projectile therein, and also being shaped to minimize air drag during flight of the projectile after firing, and the major part of the radial extent of the projections lying within the maximum diameter of the body.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS 4A<sub>5</sub>.

147583.

Int. Cl.-B64d 17/80.

**PARACHUTE CATCH SAFETY AND OPENING MECHANISM FOR THE BRAKING OF AEROBOMBS.**

*Applicant & Inventor :* CLAUDIO ALDECOA, OF VIZCAYA 5, VICTORIA, SPAIN.

Application No. 239/Cal/76 filed February 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Parachute catch, safety and opening mechanism for braking the speed of fall of aerobombs, comprising a circular disc assembly provided at the posterior end of the body of the bomb, said disc assembly being adapted, in its fastened position with the body of the bomb, to prevent the opening of a parachute contained in folded condition inside the posterior portion of the body of the bomb, and said disc assembly being constituted by an outer peripheral portion and a central portion, the said central portion being adapted to be rotated in relation to said outer peripheral portion by means of a lever, said lever, in turn, being adapted to be moved from its normal position to a second angular position spaced at 120°, by means of a first cable which joins the body of the bomb to the aeroplane wherefrom the bomb is to be launched, said central portion of the disc assembly being also provided with three spiral channels and said channels housing the ends of three equiangularly spaced and spring-biased radially slidable pins, the free exterior ends of said pins, when fully projected outwards in the normal position of the said lever, causing the disc assembly to be fastened to the body of the bomb, the arrangement being such that in the event of the said lever being moved to said second angular position by means of said first cable and consequently the said central portion of the disc assembly carrying said pins being rotated through an angle of 120° in relation to the outer peripheral portion, the said spring biased pins are caused to slide along the respective spiral channels, resulting radial inward movement of the said pins through their respective housings, whereby the exterior ends of said pins are caused to be separated from the body of the bomb and consequently the disc assembly gets unfastened from the body of the bomb, permitting opening of the parachute.

Comp. Specn. 13 Pages.

Drg. 6 Sheets.

CLASS 205.

147584.

Int. Cl.-B60c 15/00.

**APPARATUS FOR TREATING THE BEAD PORTION OF PNEUMATIC TYRE COVERS AND RUBBERIZED-FABRIC CASINGS.**

*Applicant :* NAUCHNO-ISSLEDOVATELSKY KONSTRUKTORSKO-TEKHNOLOGICHESKY INSTITUT SHINNOI PRÖMYSHLENNOSTI, OMSK, 5-AYA KORDNAYA ULITSA, USSR.

*Inventors :* 1. JURY IVANOVICH KARMATSKY, 2. JURY VASILIEVICH TONKUSHIN, 3. JURY MIKHAILOVICH VARGO, 4. NIKOLAI NIKOLAEVICH KULIKOV, 5. IGOR YAKOVLEVICH KIVERSHTEIN, 6. VLADIMIR SERAFIMOVICH VILK.

Application No. 14/Cal/77 filed January 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

An apparatus for treating the bead portion of pneumatic tyre covers and rubberized-fabric casings, comprising : a rotatable tyre assembling drum; a rolling-over annular spring; mechanism for expanding the rolling-over spring to the size of the expanded tyre assembling drum; a rigid sleeve mounted coaxially with the said tyre assembling drum, for reciprocation along the said tyre assembling drum, so as to move the rolling-over spring along the surface of the said tyre assembling drum, an elastic cylindrical sheath supported by said rigid sleeve, on the side of the latter, facing the said tyre assembling drum, the side edges of said elastic cylindrical sheath being secured to said rigid sleeve in a fluid-tight fashion; means for supplying air into the space between the said rigid sleeve and the said elastic cylindrical sheath, to form an annular chamber therebetween; said air-supplying means being connectable to a source of compressed air.

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 27 L

147585.

Int. Cl.-E04c 5/08, E04g 21/12.

## DEVICE FOR CONNECTING THE ENDS OF TWO PRESTRESING CABLES.

*Applicant* : FREYSSINET INTERNATIONAL (STUP),  
OF 66, ROUTE DE LA REINE, 92100, BOULOGNE,  
BILLANCOURT, FRANCE.

*Inventors* : PIERRE XERCABINS.

Application No. 649/Cal/77 filed April 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A device for connecting the ends of two prestressing cables whereby one of said cables, called secondary cable, could be put in place after the other cable, called primary cable, has already been embedded in the structure and stressed, said device being of the type in which the secondary cable is anchored in a part provided at its periphery with castellations, in which the strands or wires forming this cable are inserted, to enable the anchorages set at the end of said strands or wires to bear on said peripheral part, characterized in that the anchorage of the secondary cable has a threaded part integral with said peripheral part which is screwed into a threaded aperture placed on the axis of the primary cable anchorage.

Comp. Specn. 8 Pages.

Drg. 2 Sheets.

CLASS 206.

147586.

Int. Cl.-G06k 5/00.

## STORAGE DEVICE.

*Applicant & Inventors* : VALERY FEDOROVICH GUSEV,  
ULITSA KARBYSHEVA, 13-A, KV. 35, KAZAN, USSR.  
(2) GENNADY NIKOLAEVICH IVANOV, ULITSA  
DEKABRISTOV, 184-A, KV. 22, KAZAN, USSR.  
(3) VLADIMIR YAKOVLEVICH KONTAREV, PLOSCHAD  
JUNOSTI, 4, KV. 3, MOSCOW, USSR, (4) GENRIKII  
ISAEVICH KRENGEL, ULITSA IBRAGIMOVA, 45, KV.  
49, KAZAN, USSR, (5) VYACHESLAV YAKOVLEVICH  
KREMLEV, BEREZOVAYA ALLEYA, 423, KV. 81, MOS-  
COW, USSR, (6) MANSUR ZAKIROVICH SHAGIVALEEV,  
ULITSA KARBYSHEVA, 17, KV. 75, KAZAN, USSR, (7)  
JURY IVANOVICH SCHFTININ, 103536, KORPUS 503,  
KV. 106, MOSCOW, USSR, AND AZAT USMANOVICH  
YARMUKHAMETOV, ULITSA ADEL'YA KUTUYA, 12,  
KV. 23, KAZAN, USSR.

Application No. 1009/Cal/77 filed July 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A storage device comprising a memory unit for storing control information to whose output there is connected a constant register connected to a functional return address jumps register, a next address register, a register of modification attributes of address digits of the memory unit for storing control information, and an analysis code register connected to a signal forming decoder, the device further

including an instruction unit, a coder, main coincidence circuits which form a matrix having columns in a number equal to that of modifiable address digits of the memory unit for storing control information, and lines whose number is determined by the digit capacity of the analysis code register, additional coincidence circuits whose number is equal to that of modifiable address digits of the memory unit for storing control information, one of the inputs of each of the additional coincidence circuits being electrically coupled to the main coincidence circuits, whereas another input of each of the additional coincidence circuits is connected to the modification attribute register of the address digits of the memory unit for storing control information, priority commutators for commutating modifiable and non-modifiable address digits, respectively, of the memory unit for storing control information, whose number is equal to that of modifiable and non-modifiable address digits, respectively, of the memory unit for storing control information, respective like information inputs of each of the commutators being connected to the instruction unit, the functional return address jumps register, the next address register and the coder, respectively, another information input of each of the priority commutators for commutating modifiable address digits of the memory unit for storing control information being connected to the output of the respective additional coincidence circuit whereas the control input of each of them is connected to the modification attribute register of the address digits of the memory unit for storing control information, other control inputs of these commutators, as well as those of the priority commutators for commutating non-modifiable address digits of the memory unit for storing control information being connected to other outputs of the instruction unit and the coder, respectively, whereas their outputs are connected via an address bus to the memory unit for storing control information.

Comp. Specn. 16 Pages.

Drg. 3 Sheets.

CLASS 89.

147587.

Int. Cl.-G01b 3/00.

## ADJUSTABLE FORK GAUGE.

*Applicant* : TESA S.A., OF RUE BUGNON 38, 1020  
RENENS, SWITZERLAND.

*Inventors* : GEORGES LENDI AND ADRIANO UGO  
RUGGERO ZANIER.

Application No. 702/Cal/77 filed May 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

An adjustable fork gauge including a main body having a slide on which a first, fixed jaw is slidably and adjustably mounted and formed from a block having an anvil with a plane face integral with said block; a second, spring clamping jaw adapted to press a plane or cylindrical portion of a part to be measured on the anvil of the fixed jaw; a feeler rod for the part to be measured including a contact adapted to emerge from the clamping jaw and being displaceably mounted by the translation in a bearing of the body such that the axis of said feeler rod is perpendicular to the plane of the anvil of the fixed jaw; and a measuring or indicating transducer coupled to the body and having a movable element connected to the feeler rod; characterised in that the fixed jaw has a lateral abutment for supporting the part to be measured and said abutment has a plane face which is perpendicular to the plane of the face of the anvil of the said fixed jaw, in that the slide of the body and the block of the fixed jaw are inclined at the same acute angle (A) with respect to the axis of the feeler rod and said acute angle is inscribed in a plane perpendicular to the two planes constituted by the face of the anvil and the face of the abutment of the fixed jaw, and in that the clamping jaw includes a floating shoe at its end from which emerges the contact of the feeler rod; said floating shoe having a cylindrical bearing surface whose generatrices are, during working, parallel at least to the plane of the abutment of the fixed jaw, and said floating shoe being pivotally mounted on a linear pivot disposed between the said end of the clamping

jaw and the floating shoe and the pivotal axis of which is perpendicular to the plane of the abutment surface of the fixed jaw; said floating shoe being connected to the end of the clamping jaw by at least one retaining member.

Comp. Specn. 15 Pages.

Drg. 2 Sheets.

CLASS 152E.

147588.

Int. Cl.-C08f 45/54, C08g 51/54.

#### A POLYMER STABILISER COMPOSITION.

*Applicant* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventors* : DR. WOLFGANG VON GENTZKOW, DR. WOLFGANG KLEEBERG AND KLAUS HELLMANN.

Application No. 11/Cal/78 filed January 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A polymer stabilizer composition comprising unsubstituted N'-bis-salicyloyl-hydrazine as metal deactivator and, an oxidation inhibitor, selected from an alkenyl-substituted triazine compound having an oxidation-inhibiting molecule fraction and oligomeric 2, 2, 4-trimethyl-1, 2-dihydroquinoline in a ratio by weight of from 7:3 to 3:7 and each present in an amount of from 0.01 to 5.0% by weight of polymeric material as herein defined which components, added separately or together are admixed with a polymeric material as herein defined.

CLASS 55E.

147589.

Int. Cl.-A61k 23/00.

#### A METHOD FOR THE PREPARATION OF ANTI-HEMOCYTIC SERUM.

*Applicant* : INSTITUT ZOOLOGII I PARAZITOLOGII AKADEMII NAUK LITOVSKOI SSR, OF VILNIUS, ULITSA K. POZHELOS, 54, USSR.

*Inventors* : JUOZAS BRONYAUS VALJUKAS, MARIONAS ALEXANDROVICH BABYANSKAS AND PYATRAS ALFONSOVICH ZAYANCHKAUSKAS.

Application No. 73/Cal/78 filed January 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A method for the preparation of anti-hemocytic serum for suppressing the immunologic mechanism of insects which comprises removing the alimentary tract from the insects and the hemolymph, preserving the remaining cells of the bodies of said insects in a preservative solution having at least the following components in parts by weight :—

Sodium citrate

3.5

glucose

2.0

cloramphenicol

0.015

distilled water

upto 100

and homogenizing in a conventional manner to form a hemocyte suspension, washing off by known method the preservative from the suspension prior to immunization and immunizing animals 4 times with intervals of 5 days by injecting a 50% hemocyte suspension prepared as above in an amount of 0.07 ml per 100 g of the weight of the animals, isolating in the usual manner the blood plasma of animals after immunization and inactivating it at 50°C, thereby to obtain the anti-hemocytic serum.

Comp. Specn. 18 Pages.

Drgs. Nil.

CLASS 144E.

147590.

Int. Cl.-C09d 3/00.

#### A PROCESS FOR THE PREPARATION OF AN AQUEOUS ELECTRICALLY-INSULATING.

*Applicant* : DR. BECK & CO. AG, OF GROSSMANNSTRASSE 105, 2000 HAMBURG 28, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : FERDINAND HANSCH, KNUT VON LOH AND DR. HARALD JANSEN.

Application No. 483/Del/77 filed December 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

A process for the preparation of an aqueous electrically insulating varnish comprising the step of heating to boiling a suspension of cyclopentanetetracarboxylic acid and at least one diprimarily dicyclic aromatic diamine such as herein described in a solvent such as hemicin described; the mole ratio of the acid to the diamine being 0.9—1.1. ; 1.1—0.9; distilling off water until a condensation product is formed having an acid number of 100—150 and thereafter neutralising said condensation product by a method such as hemicin described.

CLASS 134B.

147591.

Int. Cl.-F16h 13/00.

#### IMPROVEMENTS IN OR RELATING TO VARIABLE RATIO TRANSMISSION SYSTEMS.

*Applicant* : THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, WHITEHALL, LONDON SW 1, ENGLAND.

*Inventor* : PETER JAMES GIBSON.

Application No. 456/Del/77 filed December 14, 1977.

Convention date December 22, 1976/(53641/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

A variable ratio transmission system for coupling a drive shaft of a prime mover to a load, including a clutch, an epicyclic gear train having a first and a second input element and an output element, the first input element being coupled to the drive shaft via the clutch, a stepped-ratio gear box having an input shaft coupled to the output element of the epicyclic gear train, and an output shaft coupled to the load, and a smoothly adjustable-ratio hydrostatic transmission subsystem having a ratio range substantially equal to the greatest ratio step of the gear box, which subsystem comprises a variable capacity pump mechanically coupled with the drive shaft, and a fixed capacity motor hydraulically coupled with the pump and mechanically coupled to the second input element of the epicyclic gear train.

Comp. Specn. 15 Pages.

Drg. 7 Sheets.

#### PATENTS SEALED

142920 143452 143528 146503 146554 146627 146629

Claim under Section 20(1) of the Patents Act, 1970

The claim made by DRG (UK) Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 146438 in their name has been allowed.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

List No. VI

THE FOLLOWING PATENTS IN THE FIELD OF MECHANICAL AND GENERAL ENGG. ARE NOT BEING WORKED COMMERCIALLY IN INDIA AS ADMITTED BY THE PATENTEES IN THE STATEMENT FILED BY THEM UNDER SECTION 146(2) OF THE PATENTS ACT, 1970 IN RESPECT OF CALENDAR YEAR 1978, GENERALLY ON ACCOUNT OF WANT OF REQUESTS FOR LICENCES TO WORK THE PATENTED INVENTIONS.

PERSONS WHO ARE INTERESTED TO WORK COMMERCIALLY THE SAID PATENTS MAY CONTACT THE PATENTEES FOR THE GRANT OF LICENCES FOR THE ABOVE PURPOSES.

S. No.	Patent No.	Date	Name of the Patentees	Title of the invention
1	2	3	4	5
1	141215 . . .	02-04-1975	ELKEM SPIGERVERKET A/S; 1 MIDDLE THUNSGUTE 27, OSLO 3, NORWAY.	Tapping gun.
2	141220 . . .	05-12-1973	WILLIAM EDWARD WOLLENWEBER, 500 SIEGBURGKALDAUEN, PETERBURGS TRASSE 13, WEST GERMANY.	Turbine housing.
3	141231 . . .	30-01-1974	ETAT FRANCAIS REPRESENTE ETC; 4-AVENUE DE LA PERTE DISRY (PARIS) FRANCE.	I-C engine super charged by a turbo-compressor unit.
4	141268 . . .	02-08-1974	EMHART INDUSTRIES INC; 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT, U.S.A.	Control valve.
5	141308 . . .	10-07-1974	MARRYAT FINANCE LTD., 40/42 HATTON GARDEN, LONDON ECIP 1AN, ENGLAND.	Angular guidance arrangement for conveyor belt systems.
6	141319 . . .	12-03-1974	DAVID AND MECALFE LTD., INJECTOR WORKS, ROMILEY, N. R. STOCKPORT, CHESHIRE SK 63 AE, ENGLAND.	Airbrake distributors for use in Railway-locomotives and rolling stock.
7	141338 . . .	12-02-1974	KABEL-UND METALIWORKE GUT-CHOFFNUNGSHUTTE AG, 3000 HANOVER, VAHRENALDER STRASSE 271, POSTFACH 260, FRG.	Apparatus for paring wires, metal extrusion and other elongated metallic materials.
8	141339 . . .	13-02-1974	RUTI MACHINERY WORKS LIMITED; 8630 RUTI, ZURICH, SWITZERLAND.	Shedding motions for a loom.
9	141352 . . .	07-03-1974	KAZUMASA WATANABE, 82-1 IRAYAMASE, FUSI SHI, SHIZUOKA, KEN, JAPAN.	Forming Paper Web and a machine therefore.
10	141367 . . .	19-03-1975	UNION CARBIDE CORPORATION, 270 PARK AVENUE, N.Y., NY. 10017, USA.	Protection for externally heated cast iron vessel to contain a reactive malten metal.
11	141372 . . .	26-07-1975	JOSEF KRINGS; 5138, HEINBERG OBERBRUCH, HOUSHOHTLER STRASSE 23, GFR.	Lining apparatus for the protection of trenches.
12	141380 . . .	18-04-1974	PULLMAN INC., 200 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS, USA.	WELDING JIG.
13	141381 . . .	24-04-1974	ALCAN RESEARCH AND DEVELOPMENT LIMITED, 1 PLACE VILLE MARIE, MONTREAL, QUEBEC, CANADA.	Continuous casting of ingots.
14	141383 . . .	08-08-1974	LICENTIA PATENT VERWALTUNGS, THEODAR STERN-KAI 6, FRANKFURT, 70-FRG.	Tube or sheaths of metal by extrusion.
15	141399 . . .	11-07-1974	BLACK SIVALLS AND BRYSON INC., 2727, ALLEN PARKWAY, HOUSTON, TEXAS, 77001, U.S.A.	Introducing plurality of materials into high temperature environment.
16	141418 . . .	16-09-1974	WESTINGHOUSE ELECTRIC CORPN; WESTINGHOUSE BLDG, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA-15222, U.S.A.	Sealing device for discharge chamber of liquid cooled rotors.
17	141434 . . .	24-04-1974	DR. C. OTTO & COMP GmbH; CHRISTSTRASSE 9, POSTFACH 1849/50, 463 BOCKUM, WEST GERMANY.	Coke Oven Door.

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18	141439	. . .	25-07-1973 GENERAL ELECTRIC CO., 1 RVIER ROAD SCHENECTADY-5, NEW YORK-USA	Diamond Tipped tool Insert.
19	141478	. . .	23-05-1975 PALITEX PROJECT CO., GmbH, WEES- ERWEG 8, 415 KREFELD, WEST GERMANY.	Attachment to a textile machine for receiving thread.
20	141514	. . .	08-02-1974 GEWERKSCHAFT EISENHUTTE WEST FALIA, 4628 WETHUAR BEI HUNEN WEST FALIN, FRG.	Scraper chain conveyor.
21	141545	. . .	02-06-1975 EMHART INDUSTRIES INC., 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT, U.S.A.	Neckring cartridge for Glassware Machine.
22	141611	. . .	21-08-1973 G.T. SHUTT, 1421 NORMAL PLACE, ST. LOUIS, MISSOURI, U.S.A.	Metallic structure protected against Cor-rosion.
23	141629	. . .	08-11-1973 LIBBEY OWENS FORD CO. 811, MEDISON AVENUE; TOLEDO, CHIO, USA.	Determination of Optical quality of Flat glass sheet.
24	141636	. . .	09-09-1974 PLANT PRODUCTS CO. LIMITED 314, ORENDA ROAD, BRAMALEA, ONTARIO, CANADA.	Apparatus for holding Flexible plastic films in fastening system.
25	141655	. . .	21-02-1973 FRIED KRUPP GmbH; ALTERDER FIRSTRUSSE, 103, D-43, ESSEN FRG.	Hinged and fast support especially for a bridge.
26	141659	. . .	13-02-1975 GLOBE UNION INC., 5757, NORTH GREEN BAY AVENUE, MILWAUKEE WISCONSIN, U.S.A.	Position indicating button for slider element movable.
27	141664	. . .	20-03-1974 FROFTSHAW (ENGINEERS) LIMITED, ACTION WORKS, BULL LANE, LONG MELFORD, SUFFOLK, ENGLAND.	Multi-bed absorbers.
28	141679	. . .	05-12-1973 C.A.V. LIMITED, WELL STREET, BIRMINGHAM, 19, ENGLAND.	Starting device for I-C engines.
29	141693	. . .	09-05-1974 Do.	Fluid pressure control valve.
30	141694	. . .	27-05-1974 (1) SNAMPROGETTI S.p.A; CORSO VENEZIA, 16, MILAN, ITALY. (2) SAIPEM S.p.A; CORSO VENEZIA, 16, MILAN, ITALY.	Examining submerged pipelines.
31	141697	. . .	29-07-1974 SCAPO PORRITT LIMITED, CARTWELL ROAD, BLACKBURA, LANCASHIRE, ENGLAND.	Paper makers felt.
32	141700	. . .	17-01-1975 ABEX CORPN; 530 FIFTH AVENUE, N.Y. U.S.A.	Vane type fluid energy translating device.
33	141757	. . .	31-03-1974 C.A.V. LIMITED, WELL STREET, BIRMINGHAM, B-19 ZXE, ENGLAND.	Fuel injection pump.
34	141764	. . .	02-08-1974 THE ORCHARD, CORPORATION OF AMERICA, 1154, RECO AVENUE, CRESTWEED, MISSOURI, U.S.A.	High pressure laminate.
35	141768	. . .	20-09-1974 Do.	Laminated decorative sheet.
36	141799	. . .	2-01-1975 VEB WIRKMASCHINENBAU ANNA-BARGER STRASSE-73, 90-KARL MAX STODT, G.D.R.	Manufacturing patterned piled loop fabrics.
37	141803	. . .	10-10-1975 THE LUCAS ELECTRICAL CO). LIMITED, FORMERLY KNOWN AS JOSEPH LUCAS (ELECTRICAL) LTD. WELL STREET, BIRMINGHAM, ENGLAND.	Plating jigs and method of externally plating hollow components therewith.
38	141805	. . .	17-11-1976 F. RACEY & Co., PVT LTD., 57, RADHA BAZAR, CALCUTTA, INDIA.	Wick material for kerosene oil stoves, lanterns and burners.
39	141826	. . .	07-06-1976 DR. C. OTTO COMP. GmbH; CHRIS- TRASSE 9, POST FACH 1849/1850 463, BOCHUM, WEST GERMANY.	Slag bath generator.
40	141854	. . .	11-07-1974 Do.	Cokeside shade for coke ovens.

1	2	3	4	5
41	141857	.	26-03-1975 ELI LILLY CO., 307 EAST MC CARTY, STREET, INDIANAPOLIS, USA.	Pick-off mechanism for capsule inspection machine.
42	141878	.	08-11-1973 WABCO WESTINGHOUSE, SEVRAN, FRANCE.	Fluid pressure operated load compensating relay valve.
43	141918	.	21-09-1974 VEB POLYGRAPH; 705 LEIPEIG, ZNEINANDERFERSTRASSE-59, GDR.	Inking and dumping device for Offset printing machine.
44	141921	.	09-04-1975 DR. C. OTTO AND COMP GmbH CHRISTSTRASSE 9, POST FACH 1849/1850 463, BOCHUM, WEST GERMANY.	Charging car for coke ovens.
45	141923	.	19-09-1975 GUSTOV SCHADE MASEHNEN, D- 4600 DORFENDAM ROSENPLAT- ZTHER 120, GDR.	Extracting bulk material from dumps.
46	141936	.	24-04-1974 Dr. C. OTTO & COMP GmbH; WEST GERMANY.	Underjet coke oven.
47	141937	.	19-06-1974 MIDLAND-ROSS CORPN; 55 PUBLIC SQUARE, CLEVELAND, OHIO- 44 113, U.S.A.	Railway car coupler. ■
48	141940	.	18-02-1975 LIBBEY OWENS FORD CO., 811 MADISON AVENUE, TELEDO, OHIO, USA.	Heat treating glass sheets.
49	141952	.	20-03-1974 DEWRANCE AND CO. LTD., TRAVE- THICK WORKS, GELLEBRANDS ESTATES, SKELMERSDALE, LAN- CASHIRE WN 9 TU, ENGLAND.	A quick acting isolating valve.
50	141986	.	25-06-1974 WESTINGHOUSE ELECTRIC CORPN; PITTSBURGH, PENNSYLVANIA, U.S.A.	Vehicle control system.
51	141989	.	11-03-1975 SVENSKA AKTIEBOLAGET BROMS REGULATOR, NORRA VALIGATAN 54, MALMO, SWEDEN.	Fluid pressure actuated brake unit.
52	141993	.	05-06-1974 CHIEF CONTROLLER R & D, MINIS- TRY OF DEFENCE, GOVERNMENT OF INDIA.	A prismatic binocular.
53	142007	.	22-01-1974 GREER HYDRAULICS INC., 5930 WEST JEFFERSEN BLND, LOS ANGELES 16, U.S.A.	Pressure vessel with rigid container and deformable bladder.
54	142009	.	31-05-1974 EMHART INDUSTRIES INC., USA.	Hollow glassware forming machine.
55	142050	.	18-07-1974 SIMON HARTLEY LTD., ETRURIA WERKES, STOCK ON TRENT; STAFFORDSHIRE, ENGLAND.	Method of filtering liquid.
56	142086	.	21-04-1975 AGROTECHNIKA PODNIKOVE RIA- DITELSTVE, ZVOLEN, CZECHO- SLOVAKIA.	Purifying water reactor by fluid filtration.
57	142087	.	22-05-1975 GIRLING LTD., ENGLAND.	Water cylinder assembly for hydraulic brakes.
58	142113	.	24-04-1974 Dr. C. OTTO & COMP. GmbH, WEST GERMANY	Improved blast preheaters.
59	142115	.	01-07-1974 THE LUCAS ELECTRICAL CO. LTD., ENGLAND.	Manufacturing extruded metal component for road vehicles.
60	142123	.	06-08-1974 AMPLIFORM PTY. LTD., FORMERLY COMALCO (J&S) PTY. LTD., 95 COLLINS STREET MELBOURNE, VICTORIA, COMMONWEALTH OF AUSTRALIA.	Metal expanding machine.
61	142132	.	07-02-1975 FEDERAL MOGUL CORPN: 26555 NORTHWESTERN HIGHWAY, SOUTHFIELD, MICHIGAN 48075, U.S.A.	Making sectionalised precision components.

1	2	3	4	5
62	142147	.	25-07-1975 JOSEF KRINGS D. 5138, HEINSBERG, OBERBRUNNENHANS-BOCKLER- STRASSE, FRG.	Sheeting for canals.
63	142166	.	25-07-1975 Do.	Sheeting for shoring trenches.
64	142182	.	01-05-1974 C.S.I.R., Rafi Marg, New Delhi, India.	Burner.
65	142201	.	24-10-1973 WESTINGHOUSE ELECTRIC CORPN; U.S.A.	Operation control of steam turbine.
66	142202	.	26-11-1973 FRITZ BUSER AG., MASEHINENFA- ERIK, WILER B, UTZENSTORF, SWITZERLAND.	Preparing matrices for lattice or grid or mesh metal layer by electrolytic de- position.
67	142213	.	18-04-1974 GUSTAV SCHADE MASCHINEN; AM ROSENPLATZCHEN-120, D-46, DORTMUND, FRG.	Removing material from bulk storage dump.
68	142215	.	27-04-1974 WESTINGHOUSE BRAKE AND SIG- NAL CO. LTD., 3, JOHN STREET, LONDON, WC1N 2 ES, ENGLAND.	Railway vehicle speed control device.
69	142227	.	17-09-1975 GIRLING LTD., ENGLAND	Pressure differential actuators for hydraulic brakes.
70	142235	.	25-07-1974 AARDEE SPRING & LOCK CO. LTD., 36A CLYDE PLACE, GLASGOW CS, SCOTLAND.	Keyless disposable padlock.
71	142237	.	23-08-1974 JOHNSON & JOHNSON; 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.	Surgical drape for use on operation table.
72	142238	.	23-08-1974 Do.	Self adhesive surgical drape.
73	142244	.	13-04-1975 KHOKR BREMSE GMBH; '80 MOOSA- CKER STRASSE, 8-MUNICH, 40 FRG	Control valve for rail vehicles.
74	142246	.	24-05-1974 INDIAN INSTITUTE OF TECHNOLO- GY KANPUR, INDIA.	Precast light weight concrete.
75	142253	.	26-07-1975 CONEAST A.G. 83, MAIDEN LANE, NEW YORK, N.Y. 10038, U.S.A.	Wall of continuous casting and chill moulds.
76	142261	.	02-04-1975 ERMANNO SAVIO, GARFOALS 22, MILAN, ITALY.	Sterling and feeding yarn to yarn machines.
77	142282	.	20-06-1974 SCHLEOMANN-SIPMAG AKT; 4-DUS- SULDOFF, STEINSTRASSE 13, FRG.	Fluid actuated press with prestressed foam.
78	142283	.	27-11-1974 SPIRAX-SARCO LTD., SAINT GEOR- GE'S ROAD, CHLTENHAM GL 50 503 LN, ENGLAND.	Adjustment in rotary motion in airline pressure regulator.
79	142297	.	05-08-1974 CHIEF CONTROLLER R & D, MINIS- TRY OF DEFENCE, GOVT. OF INDIA	Moisture proof and water proof paper.
80	142312	.	11-09-1974 DR. C. OTTO AND COMP GMBH; WEST GERMANY.	Flue gas collector main on regeneratively heated cokeovens.
81	142331	.	03-10-1975 BRITISH STEEL CORPN; 33 GROSS- VENOR PLACE, LONDON, ENGLAND	Non-destructive testing apparatus.
82	142333	.	02-01-1976 EMIHART INDUSTRIES INC; U.S.A.	Glassware forming machine.
83	142342	.	28-08-1974 THE LUCAS ELECTRICAL CO. LTD., ENGLAND.	Foot operated controls.
84	142345	.	18-09-1974 GIRLING LIMITED, ENGLAND.	Brake pressure control valves.
85	142355	.	18-03-1975 PALITEX PROJECT CO. GMBH; WEST GERMANY.	Thread brake for double twisting spindle.
86	142365	.	11-03-1975 WILHELM HEGLER; GOETHESTRA- SSE 2, 873 BOD KISSIGEN, F.R.G.	Extruder method for outer carrier.
87	142385	.	15-10-1975 JOHNSON AND JOHNSON, U.S.A. 501, GEORGE STREET NEW BRUNS- WICK N.JERSEY, U.S.A.	A surgical face mask.
88	142407	.	15-05-1975 THE LUCAS ELECTRICAL CO. LTD. ENGLAND.	Assembly line system.
89	142408	.	15-05-1975 Do.	Conveyor Unit.

1	2	3	4	5
90	142409	.	28-05-1975 RESEARCH CORPN; 405-LEXINGTON AVENUE, NEW YORK, U.S.A.	Piston actuated displacer piston driving means for free stirling cycle type engine.
91	142419	.	08-07-1974 SUN OIL CO. 1608 WADRNET STREET, PHILADELPHIA PENNSYLVANIA, U.S.A.	Acoustic telemetering system.
92	142429	.	08-09-1976 The DIRECTOR ALL INDIA INST. OF MEDICAL SCIENCE ANSARI NAGAR NEW DELHI.	Respiratory mask.
93	142451	.	26-07-1975 JOSEF KRINGS D-5138 MEINSBERG, ABERBRUCK, FRG	Guiding head for bracing struc of trench revetment device.
94	142465	.	12-07-1974 DR. C. OTTO AND COMP GMBH; SHRI-STRASSE 9, POSTFACH 1849/1850 463 BOCHUM, WEST GERMANY.	Horizontal coke oven with cross regenerator.
95	142470	.	23-04-1975 VEREINIGTHE OSTERREICHISCHE EISEN-UND STAHLWERKE ALPINE MONTAN A.G. AUSTRIA.	Tiltable converter.
96	142488	.	10-03-1975 Do.	To purify a stream of mechanically commuted material.
97	142504	.	17-03-1975 THE LUCAS ELECTRICAL CO. LTD., ENGLAND.	Motor vehicle with head lamp tilting mechanism.
98	142505	.	22-05-1975 DAVID SCIACY; 999 NORTH LAKE SHORE DRIVE, CHICAGO, ILLINOIS U.S.A.	Apparatus for effecting a good weld by welding equipments of rotary arc type.
99	142533	.	27-01-1975 KABEL UND METALIWFRKE GUTE-HOFFNUNGS HUTTE A.G. F.R.G.	Apparatus for production of longitudinally seem welded metal tubes and the same welded metal tubes produced.
100	142535	.	21-07-1975 SIEMENS A.G., WEST GERMANY.	A retaining device for a compression spring and its use in electromagnetic switching device.
101	142546	.	07-06-1974 WILKINSON SWORD LIMITED, ENGLAND.	Razor blades.
102	142552	.	21-08-1974 DR. C. OTTO & COMP GMBH; WEST GERMANY.	Cylindrical shaft furnace for the reduction of iron ore.
103	142557	.	14-11-1974 MAURICIO PORRAZ JEMENEZ LABORA; GUTENBURG No. 4780, PISO MEXICO SDE, MEXICO.	Constructional element for building dykes, embankment groynes or underwater walls.
104	142565	.	21-10-1975 JOSEF KRINGS D-5, 138 BEINSBERG, OBERBRUCH, HANS-BACKLERS-TRASSE " % ? FRG.	Sheeting plate for trench sheeting.
105	142622	.	07-04-1976 SIEMENS AG., BERLIN AND MUNICH WEST GERMANY.	Apparatus for the surface grinding a work piece.
106	142650	.	03-09-1975 C.S.I.R., NEW DELHI, INDIA.	Panel type coating thickness gauge.
107	142666	.	16-07-1974 WESTINGHOUSE ELECTRIC CORPN; PITTSBURGH, PENNSYLVANIA, U.S.A.	High pressure laminate.
108	142668	.	04-09-1974 THE DIRECTOR, ALL INDIA INSTITUTE OF MEDICAL SCIENCE, ANSARI NAGAR, NEW DELHI-16, INDIA.	A nasal filters.
109	142671	.	17-07-1974 C.A.V. LIMITED, WELL STREET BIRMINGHAM B 19, ZX, ENGLAND.	Liquid fuel pumping apparatus.
110	142681	.	02-08-1975 OXY METAL IND. CORPN, 21441 HOOVER ROAD, WARREN, MICHIGAN, U.S.A.	Manufacture of two piece steel can.
111	142703	.	01-09-1973 ABEX CORPN. 530, 15th AVENUE, NEW YORK- 10036, U.S.A.	Control system for a variable displacement pump.
112	142704	.	03-01-1976 C.S.I.R., NEW DELHI, INDIA.	Device for cold starting of I-C engines.
113	142708	.	24-08-1974 BAYER AKTIENGESELLSCHAFT, LEVERKUSHEN, F.R.G.	Production of dipped articles.

1	2	3	4	5
114	142712	. . .	03-09-1975	UNITED TECHNOLOGIES CORPN; HARTFORD, CONNECTICUT, U.S.A. Combustion chamber having a least one staged premixing tube for directing a mixed fuel air flow into a combustion zone.
115	142719	. . .	30-09-1974	WESTINGHOUSE BRAKE AND SIGNAL CO. LTD., JOHN STREET, LONDON WC1N 2ES, ENGLAND. Rail vehicle braking system.
116	142724	. . .	11-07-1974	DR. C. OTTO AND COMP GMBH; CHRISTSTRASSE 9, POSTFACH 1849/1850 463, BOCHUM, WEST GERMANY. Levelling device for coke ovens.
117	142728	. . .	01-10-1974	UNIVERSITY OF SALFORD, M 5 4, WT ENGLAND. Concrete structural element.
118	142744	. . .	24-05-1975	PETER ROWLAND PAYNE, BOX 282, ROUTE-5, ANNAPOLIS, MARYLAND, U.S.A. Heat engine in the form of a water pulse jet.
119	142755	. . .	10-09-1975	GIRLING LIMITED, ENGLAND. Spreading disc brakes.
120	142759	. . .	04-10-1975	KNORR BREMSE GMBH; 800 MUNECIJN, 40, MOOSACHERSTRASSE 80, FRG. Compressed air braking device for rail vehicle.
121	142768	. . .	17-12-1974	EMHART INDUSTRIES INC; 426, COLTHIGHWAY FARMINGTON, CONNECTICUT, USA. A multi section glassware forming machine

**PATENTS DEEMED TO BE ENDORSED WITH  
"THE WORD "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
138369 (20-3-74)	Process for the preparation of thioamides of 4-substituted swingic acid.
138386 (16-10-73)	Process of manufacturing derivative of triazolinone.
138443 (19-12-73)	Process for the preparation of $\beta$ -N-n-Propylamino ethyl-o-methoxyphenyl ether and its salts.
138485 (03-01-73)	Process for preparation cold water soluble gelatin composition.
138517 (30-04-73)	Process for the production of orgotein rich protein concentrate from red blood cells.
138568 (21-03-73)	Process for production of a water insoluble preparation of peptide material.
138605 (30-01-74)	Process for the preparation of N, N-dissubstituted carboxylic amide.
139040 (11-04-73)	A method of production nickel base heat resistant alloys and articles therefrom.

**RENEWAL FEES PAID**

98553	98580	98582	98802	98810	99055	99203	99379	99825
100046	101816	104502	104544	104570	104675	104702	104998	
105139	105294	105295	105296	105297	105389	105413	105457	
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132081	132728	134736	134914	135046	135126	135139	135156	
135159	135176	135217	135235	135236	135332	135467	135712	
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137193	137373	137707	137955	138087	138331	138623	138689	
138898	139040	139155	139347	139446	139486	139496	139642	
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140351	140449	140466	140540	140610	140711	141021	141078	
141100	141451	141475	141478	141532	141616	141900	142001	
142085	142164	142178	142225	142289	142636	142687	142711	
142927	143030	143096	143330	143353	143445	143477	143631	
143811	143831	143868	143905	144005	144063	144205	144402	
144408	144448	144624	144632	144667	144746	144761	144789	
144902	144931	144973	145200	145241	145569	145691	145692	
145949	145987	146033	146241	146275	146276	146339	146405	
146444								

**RESTORATION PROCEEDINGS**

Notice is hereby given that an application for restoration of Patent No. 130768 dated the 29th March, 1971 made by Medical Testing Systems, Inc. on the 29th March, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 25th August, 1979 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 136701 dated the 12th May, 1972 made by Thomas J. Dillon & Co. Inc. on the 5th May, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 4th August, 1979 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140273 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a module for a structural assembly." The patent ceased on the 8th October, 1978 due

to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 10th November, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 26th June, 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142224 granted to Parkash Singh for an invention relating to "an insemination device for human beings". The patent ceased on the 5th July, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 19th May, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 26th June, 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of Patent No. 142989 dated the 3rd May, 1975 made by Alloy Steel Plant on the 5th June, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 20th October, 1979 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 143099 dated the 11th June, 1975 made by Clayton Dewandre Company, Limited on the 31st May, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 29th September, 1979 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class. 1. No. 148531. Gulati Auto Electricals, A-21/16, Industrial Area, Naraina, Phase-II, New Delhi-110028, an Indian Partnership concern. "Cable Lock". June 18, 1979.

Class. 1. No. 148580. Messrs. Pfimex International, a partnership concern, 62, Mahatma Gandhi Road, Secunderabad-500003, Andhra Pradesh. "Container". June 28, 1979.

Class 1. No. 148593. Petersen Manufacturing Co., Inc., a corporation organized and existing under the laws of the State of Nebraska, U.S.A., of Dewitt,

Nebraska, U.S.A., Manufacturers and Merchants. "Hand Tool". June 30, 1979.

Class. 3. No. 148539. Dunlop Limited, a British Company of Dunlop House, Tyder Street, St. James's, London S.W.I, England. "Tyre for a vehicle wheel". Priority date January 27, 1979.

Class. 3. No. 148554. Rumi Plastics, 8A, Indian Metal & Forging Rolling Mills Compound, Lal Bahadur Shastri Marg, Vikhroli (West), Bombay-400083, Maharashtra, an Indian Partnership Firm. "Container". June 22, 1979.

Class. 3. No. 148565. Paragon Plastic Industries of Block-A, Plot No. 78/1, Wazirpur Industrial Area, Delhi-110052, an Indian Sole Proprietary Concern. "Basket". June 23, 1979.

Class. 3. No. 148567. J. B. Manufacturing Company. A Registered Indian Partnership Firm, of 348, Abdul Rehman Street, Bombay-400003, Maharashtra, India. "Toy". June 25, 1979.

Class. 3. No. 148578. Haryax Plastic Products Company. 10/B, Dolavliar Society, Dadabhai Road, Vile Parle (West), Bombay-400056, Maharashtra, an Indian Sole Proprietary Firm. "Pourer Cap". June 26, 1979.

Class. 3. No. 148581. M/s. Narendra Brothers, 2E/22, Jhandewalan Extension, New Delhi-110056, an Indian National. "Desk Set Cum Calendar". June 28, 1979.

Class. 3. No. 148582. M/s. Narendra Brothers, 2E/22, Jhandewalan Extension, New Delhi-110055, an Indian National. June 28, 1979.

Class. 3. No. 148583. Larsen & Toubro Limited, of Powai Works, Saki-Vihar Road, P.O. Box 8901, Bombay-400072, Maharashtra, India, an Indian Company. "A partition supporting busbars in switchboards". June 29, 1979.

Class. 3. No. 148584. Larsen & Toubro Limited, of Powai Works, Saki-Vihar Road, P.O. Box 8901, Bombay-400072, Maharashtra, India, an Indian Company. "A partition for Supporting Busbars in Switchboards". June 29, 1979.

Class. 3. No. 148751. 1. Purushottam Heda and 2. Ramesh Chandran Purtani, citizens of India, trading as M/s. Volts India, 1-9-594, Adikmet, Hyderabad-500044 (A.P.). "Voltage stabiliser". August 13, 1979.

#### COPYRIGHT EXTENDED FOR THE SECOND PERIOD OF FIVE YEARS

Design Nos. 142649, 142650, 142848, & 143993—Class 1.

Design Nos. 141824, 141825 & 141826—Class 3.

#### COPYRIGHT EXTENDED FOR THE THIRD PERIOD OF FIVE YEARS

Design Nos. 139536, 139537 & 140073—Class 1.

Design Nos. 136563, 136564, 136565, 136566, 136567 & 136568, 138636, 138671, 137053, 137125, 141824, 141825, 141826—Class 3.

S. VEDARAMAN  
Controller General of Patents, Designs  
and Trade Marks